PATENT COOPERATION TREATY

PCT

-INTERNATIONAL-SEARCH-REPORT-

(PCT Article 18 and Rules 43 and 44)

		/	
Applicant's or agent's file reference LW9103PC	FOR FURTHER ACTION		orm PCT/ISA/220 re applicable, item 5 below.
International application No. PCT/KR 2004/002012	(Earliest) Priority Date (day/month/) 31 December 2003 (31.12.2		nal filing date (day/month/year) ugust 2004 (11.08.2004)
Applicant	SAMSUNG ELECTRONICS	CO., LTD.	
			X2\3 4/8:
This international search report has been according to Article 18. A copy is being	transmitted to the International Bureau		ransmitted to the applicant
This international search report consists It is also accompanied by	of a total of <u>4</u> sheets. a copy of each prior art document cited	l in this report.	2004 Propriet
			100 21 W
language in which it was filed, un	nternational search was carried out on lless otherwise indicated under this ite		national application in the
The international to this Authority	search was carried out on the basis of (Rule 23.1(b)).	a translation of the in	nternational application furnished
b. With regard to any nucleotid	e and/or amino acid sequence disclo	sed in the internation	al application, see continuation of this first sheet.
2. Certain claims were foun	d unsearchable (see continuation of t		
4. With regard to the title,	ing (see continuation of this first sheet)	
the text is approved as sub-	• • •		
the text has been established	ed by this Authority to read as follows:		
			•
·			
	•		
5. With regard to the abstract,		•	
the text is approved as subr	• ••		
	d, according to Rule 38.2(b), by this A within one month from the date of mai		
6. With regard to the drawings,			
 a. the figure of the drawings to be puter as suggested by the application. 	ublished with the abstract is Figure No nt.	1	
` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `	y, because the applicant failed to sugg	est a figure.	
as selected by this Authorit	y, because this figure better characteri	zes the invention.	
b. In none of the figures is to be pu	blished with the abstract.		

INTERNATIONAL SEARCH REPORT

International application No. PCT/KR 2004/002012

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H01J 9/52

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPI PAJ EPODOC TXTEN TXTDE

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No	
x	DD 246311 A1 (VEB NARVA) 3 June 1987 (03.06.1987) page 2, line 16 ff.	1-8	
Α	page 2, line 16 ff.	9-33	
X	JP 2000 215811 A (HITACHI) 4 August 2000 (04.08.2000) fig and description.	1-8	
Α	fig and description.	9-33	
X	DE 4030732 A1 (NARVA LICHT GmbH) 5 December 1991 (05.12.1991)	1-8	
Α	column 4, lines 12-21, column 6, lines 17-24. column 4, lines 12-21, column 6, lines 17-24.	9-33	

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- "A" document defining the general state of the art which is not considered to be of particular relevance
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- document published prior to the international filing date but later than the priority date claimed
- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search 18 November 2004 (18.11.2004)

Date of mailing of the international search report 30 November 2004 (30.11.2004)

Name and mailing address of the ISA/AT **Austrian Patent Office**

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INTERNATIONAL SEARCH REPORT

International application No. PCT/KR 2004/002012

PCT/KR 2004/002012					
	on). DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passag	Relevant to claim N			
x	EP 420367 A1 (ELEKTRO-OFENBAU M. MARCUS GmbH) 3 'April 1991 (03.04.1991) column 3, lines 21,32.	1-8			
Α	column 3, lines 21,32.	9-33			

INTERNATIONAL SEARCH REPORT

International application No. PCT/KR 2004/002012

Patent document cited in search report			Publication date	I	Patent family member(s)		Publication date
DD		246311	1987-06-03			none	
DE	A	4030732	1991-12-05	DD	В	341233	1992-05-07
EP	A	420367		EP	A	0420367	1991-04-03
D.	••			DE	A	3932772	1991-04-11
JΡ	A	20002158				none	
		11A2					